

René D. Clark

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EDUCATION

- 2017-Present *Ph.D. Candidate in Ecology & Evolution (Expected May 2023)*, Rutgers University.
Advisor: Dr. Malin Pinsky Dissertation Title: Spatial and temporal patterns of adaptation and adaptive potential in a changing ocean.
- 2015-2017 *M.S. in Biology*, Saint Joseph's University. Advisor: Dr. Jonathan Fingerut.
Dissertation Title: The effect of microtopography on blackfly larval settlement & an analysis of female postcopulatory behavior in *Drosophila suzukii*
- 2010-2014 *B.S. in Biology – Ecology Option*, Pennsylvania State University, graduated with Highest Honors (top 10 students in the program).

PROFESSIONAL & RESEARCH EXPERIENCE

- 2021-Present Temporal Genomics Working Group Leader, RCN for Evolution in Changing Seas
- 2017-Present Graduate Research Assistant, Rutgers University
- 2015-2017 Graduate Research Assistant, Saint Joseph's University
- 2012-2014 Undergraduate Research Assistant, Pennsylvania State University
- 2012 Animal Husbandry Intern, Pittsburgh Zoo & PPG Aquarium
- 2011 Laboratory Technician, Telecardia Inc.

PUBLICATIONS

Bold is self. *Italicized* is undergraduate mentee.

7. Malin L. Pinsky, **René D. Clark**, Jaelyn T. Bos (2023) Coral reef population genomics in an age of global change. *Annual Review of Genetics*. In Press.
6. **René D. Clark**, Katrina A. Catalano, Kyra S. Fitz, Eric Garcia, Kyle E. Jaynes, Brendan N. Reid, Allyson Sawkins, Anthony A. Snead, John C. Whalen & Malin L. Pinsky (2023) The practice and promise of temporal genomics for measuring evolutionary responses to global change. *Molecular Ecology Resources*. (doi:10.22541/au.167102106.66610942/v1) In Press.
5. Anthony Snead & **René D. Clark**. (2022) The biological hierarchy, time, and temporal 'omics in evolutionary biology: A perspective. *Integrative and Comparative Biology*. (doi:10.1093/icb/icac138)
4. **René D. Clark**, Matthew L. Aardema, Peter Andolfatto, Paul H. Barber, Akihisa Hattori, Jennifer A. Hoey, Humberto R. Montes Jr. & Malin L. Pinsky. (2021) Genomic signatures of spatially divergent selection at clownfish range margins. *Proceedings of the Royal Society B: Biological Sciences*, 288:20210407. (doi:10.1098/rspb.2021.0407)
3. Zoë J. Kitchel, R. M. W. J. Bandara, Jaelyn T. Bos, **René D. Clark**, Daniel L. Forrest, Malin L. Pinsky. (2021) Book Review: Ocean Recovery: A Sustainable Future for Global Fisheries? *Fisheries*. (doi:10.1002/fsh.10580)
2. **René D. Clark**, Marissa DiPiero, Jonathan T. Fingerut, & Scott P. McRobert. (2020) An analysis of female postcopulatory behavior in *Drosophila suzukii* and *Drosophila biarmipes*. *Journal of Insect Behavior*, 33:193-200. (doi:10.1007/s10905-020-09761-x)

1. **René D. Clark.** (2017) The effect of micro-topography on *Simulium tribulatum* larval settlement and recruitment & An analysis of female postcopulatory behavior in *Drosophila suzukii* and *Drosophila biarmipes*. Saint Joseph's University, Philadelphia, PA. (Master's Thesis – print edition)

GRANTS, HONORS, & AWARDS

2021	CRRSAA/HEERF Doctoral Advancement Award (\$35,000)
2020	RCN for Evolution in Changing Seas Working Group Grant (\$16,000)
2019	Ecology & Evolution Departmental Conference Travel Award (\$500)
2018	Ecology & Evolution Small Grant Award (\$1000)
2017-2018	School of Environmental and Biological Sciences Excellence Fellowship, Rutgers
2017	Outstanding Student Presentation, NAFBA
2017	Saint Joseph's University Travel Award (\$300)
2015-2017	GeoKids Fellowship, Saint Joseph's University
2013 & 2014	Undergraduate Research Grant, Pennsylvania State University (\$3000 total)
2013 & 2014	Evan Pugh Scholar Award, Pennsylvania State University

TEACHING EXPERIENCE

INSTRUCTION

2018-Present	Ecology Teacher, Little Owls Enrichment
2020-Present	Graduate Teaching Assistant (<i>Conservation Biology</i>), Rutgers University
2021	Graduate Teaching Assistant (<i>General Biology</i>), Rutgers University
2020	Head Teaching Assistant (<i>Principles of Biology</i>), Rutgers University
2015-2017	GeoKids Fellow, Saint Joseph's University
2014-2015	Science Camp Teacher, Ross Township Summer Program
2014-2015	AmeriCorps Volunteer, City Year, Philadelphia School District
2013	Undergraduate Teaching Assistant (<i>Evolution</i>), Pennsylvania State University

WORKSHOP INSTRUCTION

2022	Bioinformatics & Genomics Workshop, Silliman University, Philippines (instructor)
2018 & 2019	Bioinformatics & Genomics Workshop, Silliman University, Philippines (instructor)

GUEST LECTURES

2022	Ecological Data Analysis, Rutgers University, <i>Introduction to HPCs</i> .
2022	Sustainability Seminar Series, University of Pittsburgh, <i>Fisheries: U.S. & Abroad</i> .
2022	Ecological Data Analysis, Rutgers University, <i>Introduction to Git & GitHub</i> .
2021	Conservation Biology, Rutgers University, <i>Human Culture & Ideas</i> .
2020	Conservation Biology, Rutgers University, <i>Invasive Species</i> .
2019	Molecular Ecology, Rutgers University, <i>Selection & Adaptation</i> .

MENTORING

2022-2023	<u>Alyssa McCoy</u> , North Hills High School. <i>Genetic diversity of Amphiprion clarkii</i> .
2022-2023	<u>Emma Patsilevas</u> , North Hills High School. <i>Genetic connectivity of Amphiprion clarkii populations</i> .

2020-2022	<u>Marial Malabag</u> , Rutgers University. <i>The effect of reproductive traits on the maintenance of genetic diversity in marine species.</i>
2020	<u>Daniel Ross-Miller</u> , North Hills High School. <i>Genetic diversity between populations of <i>Amphiprion clarkii</i>. 1st place in regional Pennsylvania Junior Academy of Science (PJAS) competition; special award in state PJAS competition.</i>
2019-2020	<u>Adriana Chumacero</u> , Rutgers University. <i>Reproductive biology of the yellow-tail barracuda in the Philippines.</i>
2018-2020	<u>Marhuma Zaman</u> , Rutgers University. <i>An analysis of gut and gill microbial diversity in <i>Leiognathus equulus</i>.</i>
2016-2017	<u>Marissa DiPiero</u> , St. Joseph's University. <i>An analysis of reproductive behavior in <i>Drosophila suzukii</i>.</i>

WORKING GROUPS & PRESENTATIONS

WORKING GROUPS

2020-Present Temporal Genomics Working Group, RCN for Evolution in Changing Seas (lead)

INVITED SEMINARS

2022	RCN for Evolution in Changing Seas Training & Integration Workshop, <i>Temporal Genomics.</i>
2022	St. Joseph's University Biology Seminar Series, <i>Large-scale patterns of adaptation and adaptive potential in a changing ocean.</i>
2016	Science on the Hill, Saint Joseph's University, <i>Small but powerful: what can we learn from flies, worms, and yeast?</i>

CONTRIBUTED TALKS

2021	Evolution, Virtual, <i>Genomic signatures of spatially divergent selection at clownfish range margins.</i>
2019	Ecological Society of America, <i>Genomic signatures of spatially divergent selection in <i>Amphiprion clarkii</i> populations across a thermal gradient.</i>
2017	North American Black Fly Association, <i>The effect of micro-topography on <i>Simulium tribulatum</i> larval settlement and recruitment.</i>

ACADEMIC & COMMUNITY SERVICE

2020 & 2023	High school research mentor
2016-2022	Undergraduate research mentor
2018-2022	Rutgers Shorebowl volunteer
2018-2021	Rutgers Ecology & Evolution Graduate Student Association Board (Outreach Chair 2020-21, Secretary 2020-21, Treasurer 2018-20)
2019	Rutgers Geology museum open house presenter
2016-2017	St. Joseph's Biology Graduate Student Council (Vice President)
2014	Pennsylvania State's IFC/Panhellenic Dance Marathon (Rules & Regulations Captain 2014, Rules & Regulations Committee Member 2011-13)

MEMBERSHIPS & PEER-REVIEW

MEMBERSHIPS

2022-Present American Society of Naturalists
2020-Present Society for the Study of Evolution
2019-Present Ecological Society of America

PEER-REVIEWER

Ecology & Evolution
Global Ecology and Biogeography
Journal of Animal Ecology